

FIGURE 1

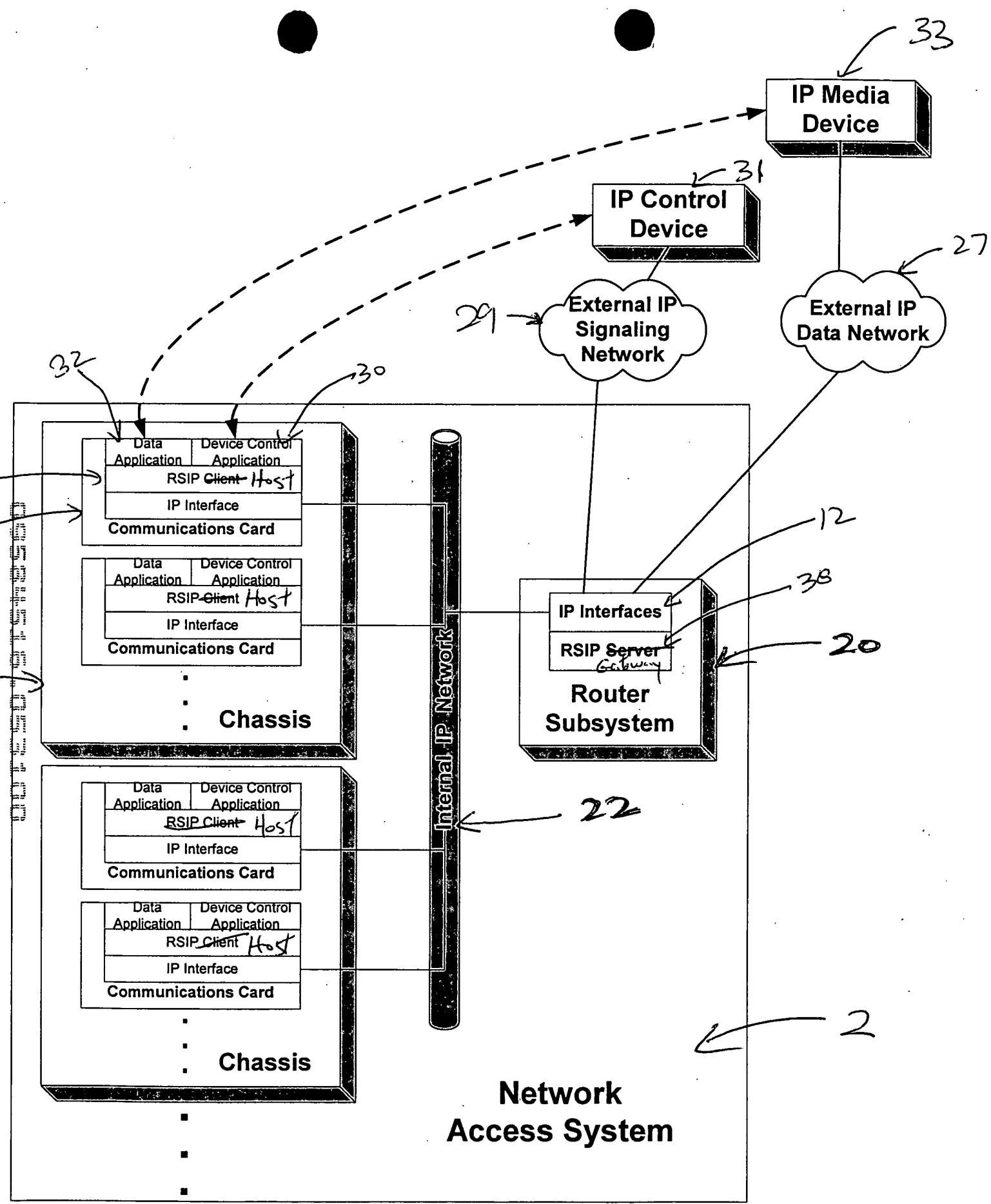


FIGURE 2

FIG. 3
RSIP PROTOCOL
STACK

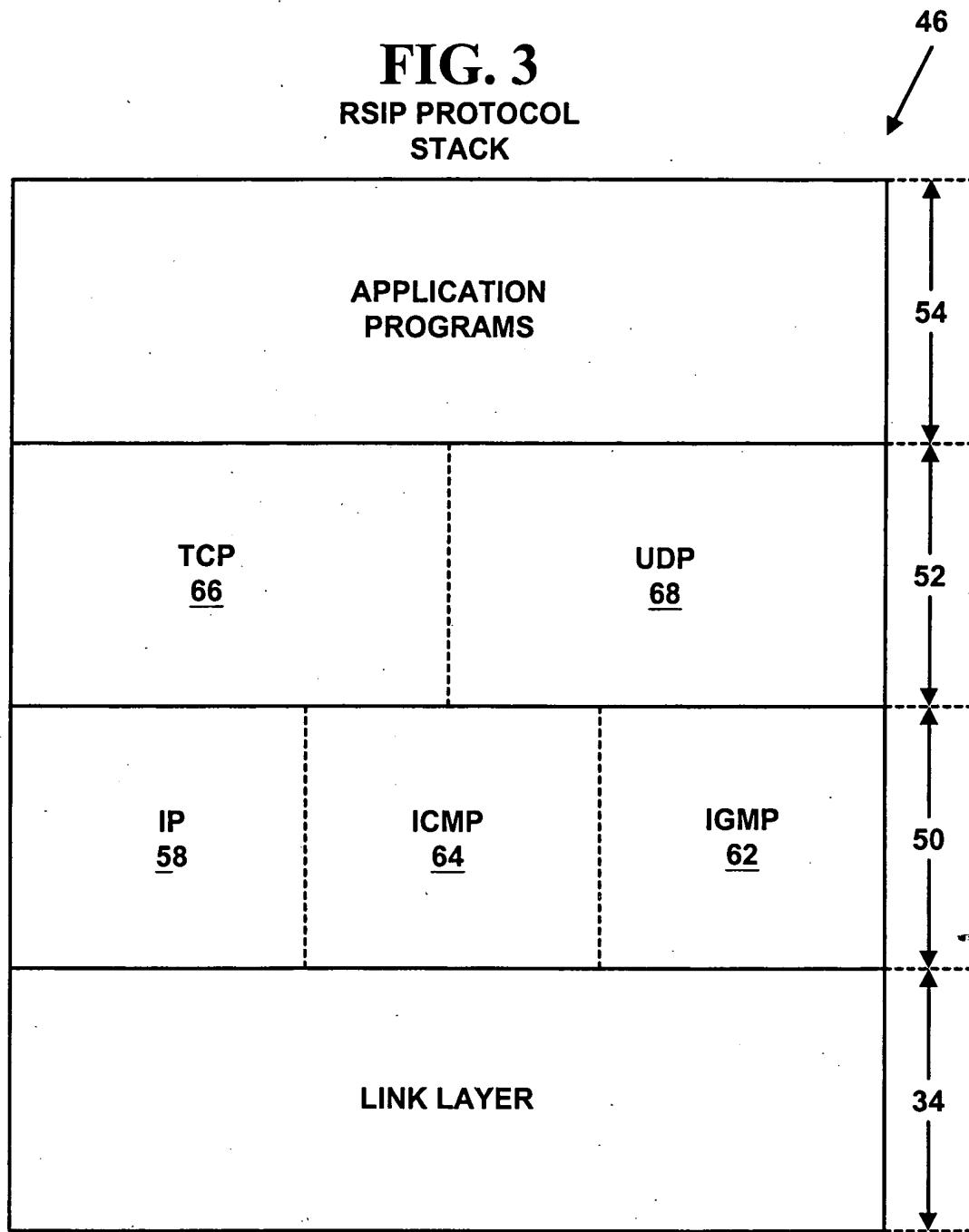
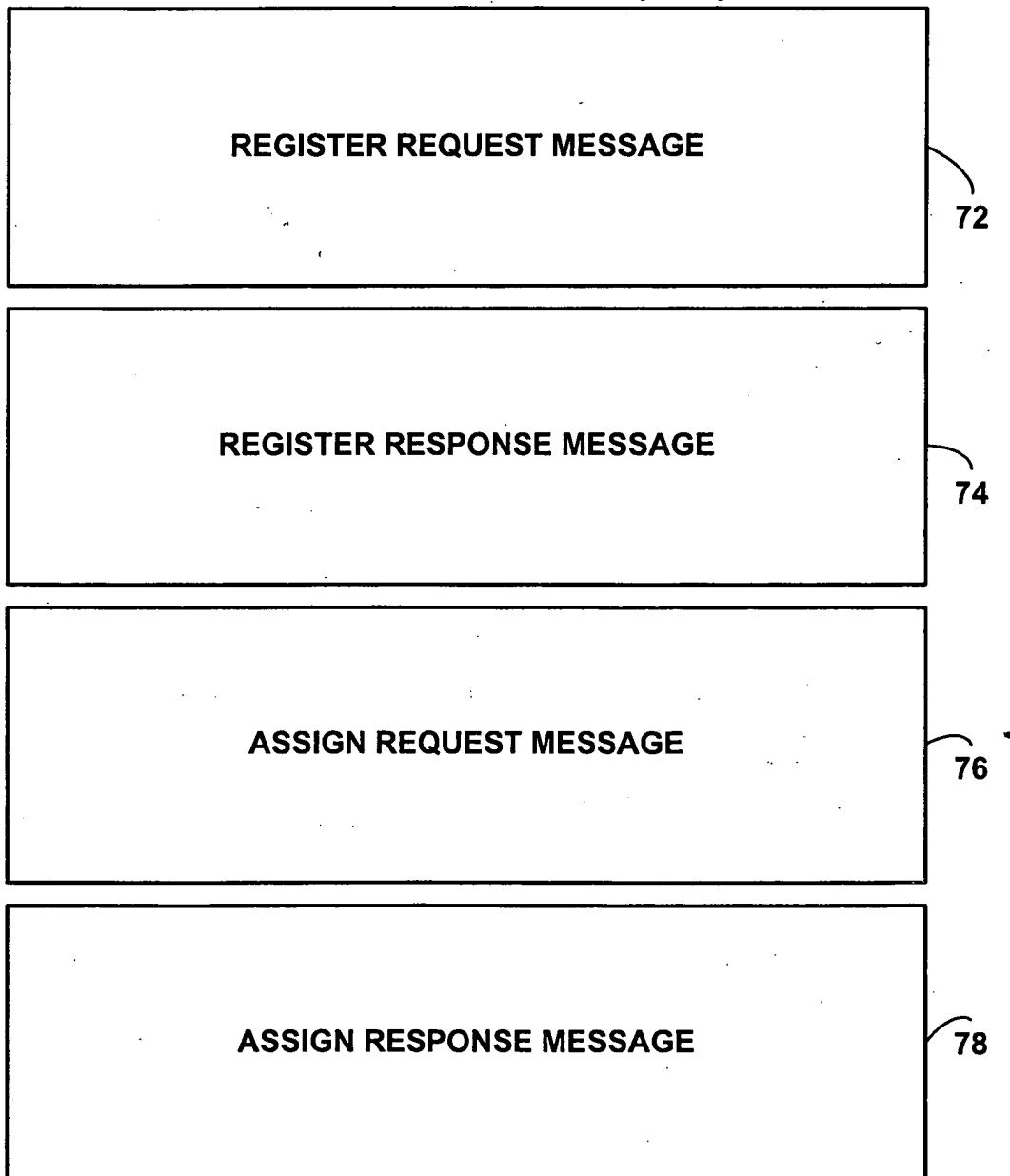


FIG. 4

REALM SPECIFIC INTERNET PROTOCOL (RSIP) MESSAGES



092234567 - 05534000

FIG. 5

RSIP PROTOCOL MESSAGE LAYOUT

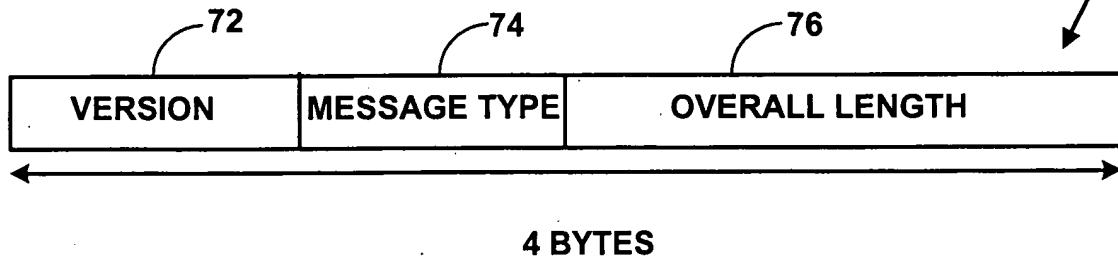


FIG. 6

REGISTER REQUEST MESSAGE LAYOUT

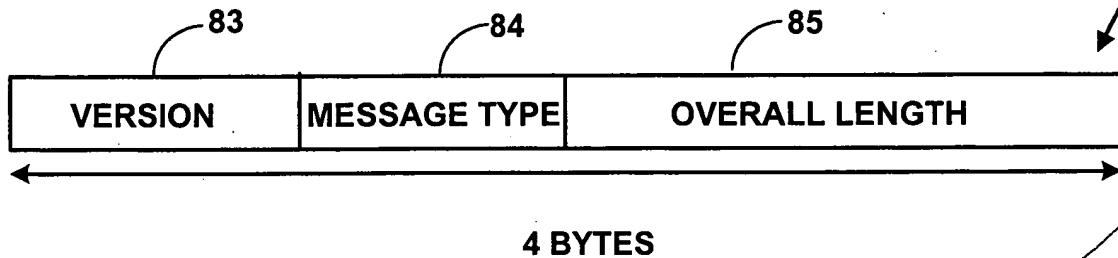


FIG. 7

REGISTER RESPONSE MESSAGE LAYOUT

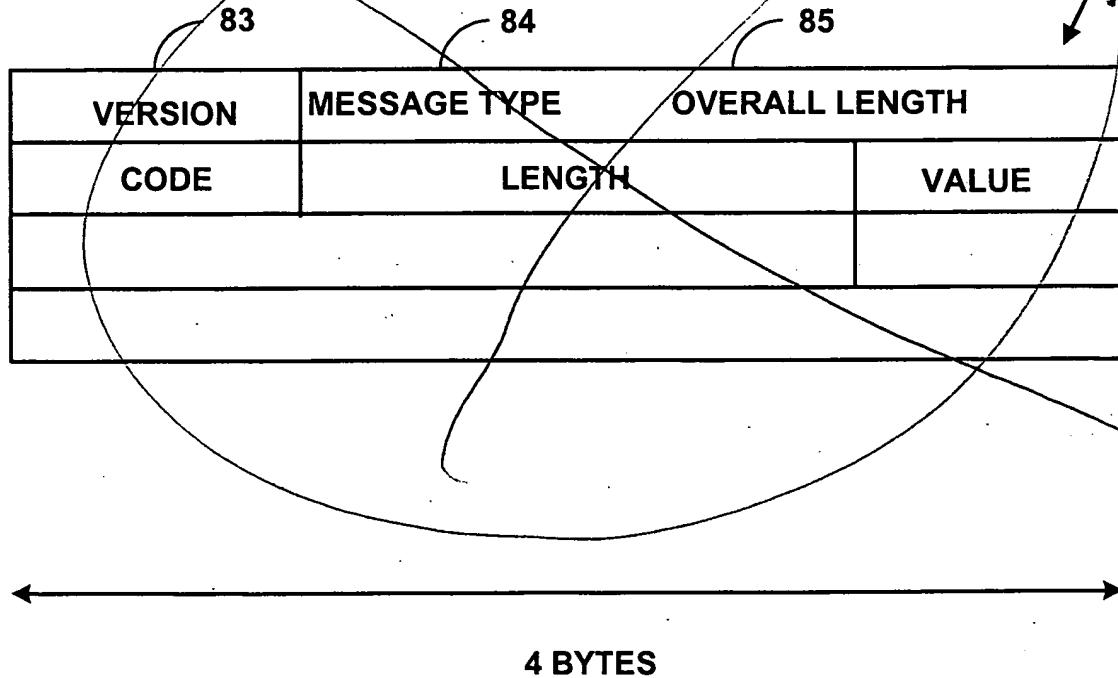


FIGURE 7
REGISTER RESPONSE MESSAGE LAYOUT

VERSION	MESSAGE TYPE	OVERALL LENGTH	
CODE	LENGTH	VALUE	
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH	LOCAL	REMOTE	POLICY
CODE	LENGTH	VALUE	
CODE	LENGTH	VALUE	

4 BYTES

FIGURE 8
ASSIGN REQUEST MESSAGE LAYOUT

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH	TYPE		
VARIABLE LENGTH VALUE			LOCAL
METHOD DEPENDENT FIELDS			ADDRESS

4 BYTES

FIGURE 9
RSA-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	TYPE	REMOTE ADDRESS
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	[LEASE TIME]
LEASE TIME VALUE CONT'D		CODE	[TUNNEL]
LENGTH	VALUE		TYPE]

4 BYTES

FIGURE 10
RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	NUMBER	LOCAL PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	TYPE	REMOTE ADDRESS
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	[LEASE TIME]
LEASE TIME VALUE CONT'D		CODE	[TUNNEL]
LENGTH	VALUE		TYPE]

4 BYTES

FIGURE 11

ASSIGN RESPONSE MESSAGE LAYOUT

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH		VALUE	BIND ID
BIND ID VALUE CONT'D	CODE	LENGTH	LOCAL
LENGTH CONT'D	TYPE	VARIABLE LENGTH VALUE	ADDRESS
METHOD DEPENDENT FIELDS			

4 BYTES

FIGURE 12
RSA-IP ASSIGN RESPONSE MESSAGE LAYOUT

CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	LEASE TIME
LEASE TIME VALUE CONT'D		CODE	TUNNEL
LENGTH	VALUE		TYPE

4 BYTES

FIGURE 13
RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENGTH	NUMBER	LOCAL PORTS
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			REMOTE ADDRESS
CODE	LENGTH	TYPE	REMOTE PORTS
VARIABLE LENGTH VALUE			LEASE TIME
CODE	LENGTH	NUMBER	TUNNEL TYPE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			
CODE	LENGTH	VALUE	
LEASE TIME VALUE CONT'D		CODE	
LENGTH	VALUE		

4 BYTES

0 9 8 7 6 5 4 3 2 1 0 9

FIG. 14

44 COMBINATION NETWORK ADDRESS

EXTERNAL NETWORK ADDRESS (E.G., EXTERNAL IP ADDRESS)	LOCALLY UNIQUE PORT
198.10.20.30	1032

112

42

FIG. 15

INTERNAL NETWORK ADDRESS	LOWEST PORT	NUMBER OF PORTS
10.0.0.1	1026	32
10.0.0.3	1057	16

122

**POR-TO-INTERNAL-NETWORK
ADDRESS TABLE**

FIG. 16

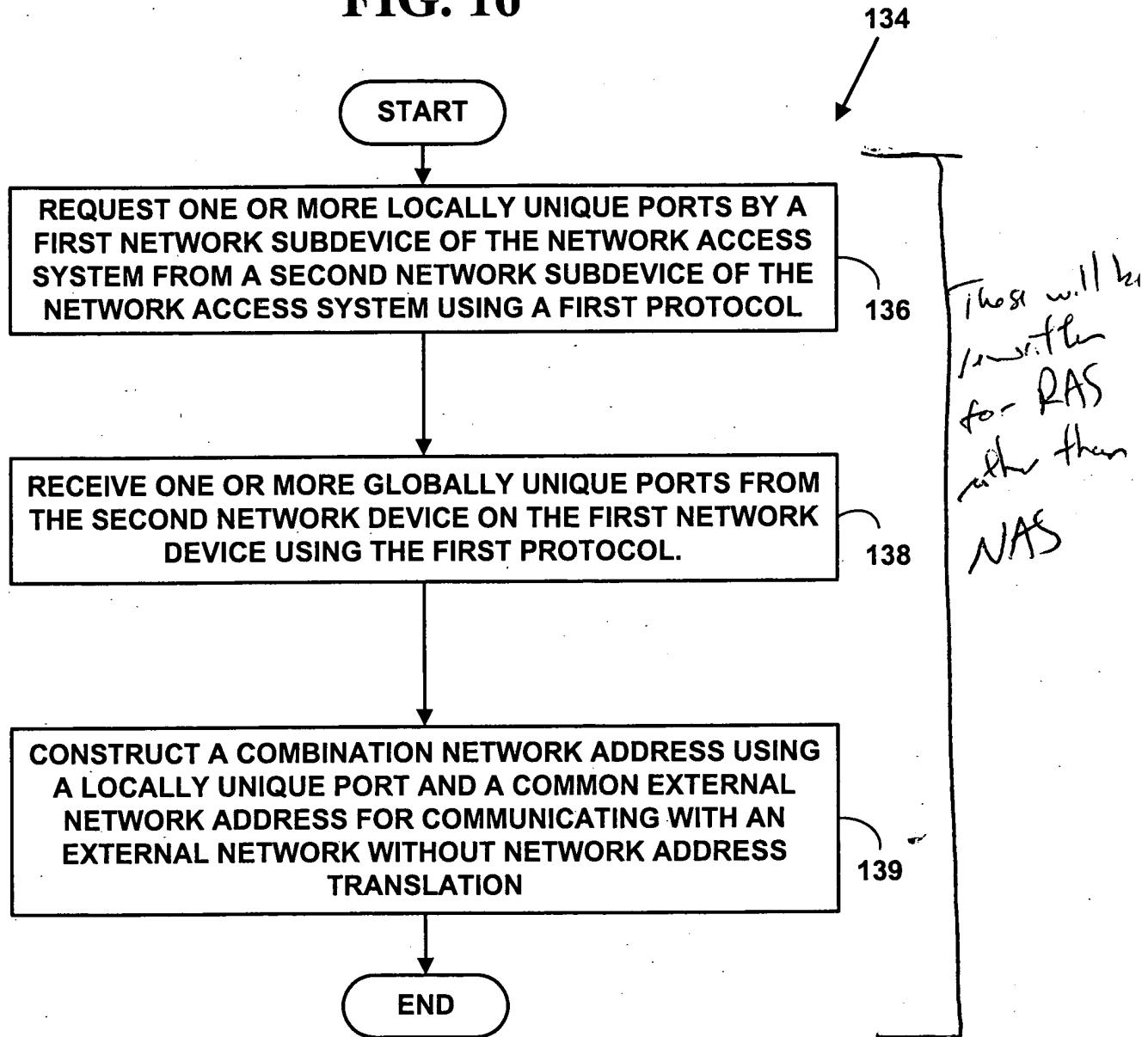


FIG. 17

